ABSTRACT OF THE DISCLOSURE

The invention relates to a method and device by means of which the location and position of an object may be determined in relation to another object by electromagnetic signals. In the arrangement in accordance with the invention there are two objects to the one of which there are attached signal sources, i.e. transmitters that generate electromagnetic signals, and the other object contains one or more receivers for measuring the transmitter signals. Usually the object containing transmitters is the one whose location or position is of interest and which is the object of the measurement. For example, in MEG measurements the object associated with the transmitters is the head of a human being on whose surface the transmitters are placed. By means of the arrangement in accordance with the invention is possible to find out the location and position of the head, in which case the location of the signals generated by the brain may be found out and utilized when examining the brain activity. The transmitters are also used to measure the signals emanating from the brain.